

IN THE CLAIMS

This listing of claims replaces all prior listings:

1-26 (Cancelled).

27. (Currently Amended) A solid-state image sensor comprising :

(a) a plurality of unit pixels with each unit pixel having

(i) a photoelectric conversion element ~~for converting~~ which converts incident light into an electric signal charge and ~~storing~~ stores the electric signal charge obtained through such photoelectric conversion,

(ii) an amplifying element connected to the photoelectric conversion element and which is effective to amplify the electric signal charge stored in said photoelectric conversion element into an electric signal,

(iii) a reset element connected between the photoelectric conversion element and a power supply and which is effective to reset said electric signal charge

(iv) a selection element between the amplifying element and a signal line; and

(b) a selection circuit configured to provide a reset signal to the reset element and a selection signal to the selection element,

wherein,

said reset element is a depletion mode transistor, and

the reset gate of said depletion mode transistor is a transverse overflow barrier effective to dump excess charge to the power supply.